



# Case Study 3

Monolith to Microservices Migration

# Scenario

“A fintech client had a monolithic application managing payments and user accounts. Any outage or code update risked taking down the entire system.”

- ▶ Hard to scale specific features.
- ▶ Slow release cycles.
- ▶ Risk of whole-app outages.



# Challenges

- ▶ Single point of failure → If one service failed, entire system went down.
- ▶ Inflexibility → Couldn't scale payment service separately from others.
- ▶ Risk in deployment → Updates caused downtime or rollbacks.

# Proposed Solution

“We advised a phased microservices migration strategy to ensure stability and faster delivery.”

- ▶ Broke monolith into modular microservices (e.g., payments, accounts, notifications).
- ▶ Shifted one service at a time with database backups + rollback plan.
- ▶ Adopted CI/CD pipeline to enable continuous delivery with safety.

# Expected Business Outcomes

- ▶ Resilience → Failure in one service no longer takes down whole app.
- ▶ Agility → Faster, safer releases with CI/CD.
- ▶ Scalability → Scale high-demand services independently (e.g., payments).
- ▶ Smooth transition → Minimal disruption to end users.